

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

First Named  
Inventor : Jingdan ZhaNG

Appln. No. : 10/698,792

Filed : October 31, 2003

For : SYNTHESIS OF PROGRESSIVELY-  
VARIANT TEXTURES AND  
APPLICATION TO ARBITRARY  
SURFACE

Docket No.: M61.12-0535

Group Art Unit: 2676

Examiner:

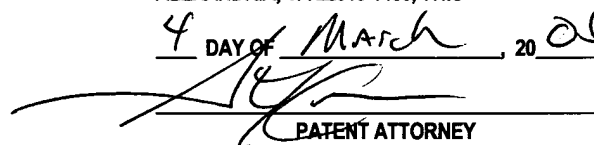
Wesner Sajous

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

I HEREBY CERTIFY THAT THIS PAPER IS BEING  
SENT BY U.S. MAIL, FIRST CLASS, TO THE  
COMMISSIONER FOR PATENTS, P.O. BOX 1450,  
ALEXANDRIA, VA 22313-1450, THIS

4 DAY OF March, 20 05

  
PATENT ATTORNEY

Sir:

The patents or publications listed on the enclosed PTO Form-1449 are submitted pursuant to 37 C.F.R. § 1.97. Copies of the patents or publications cited are enclosed, except as waived by the Official Gazette notice of August 5, 2003 regarding copies of U.S. Patents and Published Applications.

TIME OF FILING

The information disclosure statement is being filed after the time period specified in paragraph 1 above, but before the mailing date of a final action under 37 C.F.R. § 1.113 or notice of allowance under 37 C.F.R. § 1.311. Therefore, in accordance with 37 C.F.R. § 1.97(c), submitted herewith is:

(check either A or B below)

- A. \_\_\_ a statement as specified in 37 C.F.R. § 1.97(e).  
B. X the fee set forth in 37 C.F.R. § 1.17(p) for  
submission of an information disclosure statement  
under 37 C.F.R. § 1.97(c).

**METHOD OF PAYMENT**

       No fee is required.  
  x   Attached is Credit Card Payment Form for the  
amount of \$180.00

The Director is authorized to charge any fee deficiency required by this paper or credit any overpayment to Deposit Account No. 23-1123. A duplicate copy of this communication is enclosed.

Respectfully submitted,

WESTMAN, CHAMPLIN & KELLY, P.A.

By: 

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SMK:dkm

FORM PTO-1449

Atty. Docket No.:  
M61.12-0535Appl. No.:  
10/698,792LIST OF PATENTS AND PUBLICATIONS FOR  
APPLICANT'S INFORMATION  
DISCLOSURE STATEMENT

First Named Inventor:

Wesner Sajous

Filing Date

Group Art:

October 31, 2003

2676

## U.S. PATENT DOCUMENTS

| Examiner Initial | Document No. | Date | Name | Class | Sub Class | Filing Date If Appropriate |
|------------------|--------------|------|------|-------|-----------|----------------------------|
| AA               |              |      |      |       |           |                            |

## FOREIGN PATENT DOCUMENTS

|    | Document No. | Date | Country | Class | Sub Class | Translation Yes No |
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| AB |              |      |         |       |           |                    |

## OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

|    |  |
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| AC | ASHIKHMIN, M. 2001. Synthesizing natural textures. <i>ACM Symposium on Interactive 3D Graphics</i> , 217-226.  |
| AD | BAR-JOSEPH, Z., EL-YANIV, R., LISCHINSKI, D., AND WERMAN, M. 2001. Texture mixing and texture movie synthesis using statistical learning. <i>IEEE Transactions on Visualization and Computer Graphics</i> 7, 2, 120-135. |
| AE | BEIER, T., AND NEELY, S. 1992. Feature-based image metamorphosis. <i>Computer Graphics (Proceedings of SIGGRAPH 92)</i> 26, 2 (July), 35-42.   |
| AF | BROOKS, S., AND DODGSON, N. 2002. Self-similarity based texture editing. <i>ACM Transactions on Graphics</i> 21, 3 (July), 653-656. (Proceedings of ACM SIGGRAPH 2002).  |
| AG | DISCHLER, J., MARITAUD, K., L EVY, B., AND GHAZANFARPOUR, D. 2002. Texture particles. <i>Computer Graphics Forum</i> 21, 3, 401-410.   |
| AH | EFROS, A. A., AND FREEMAN, W. T. 2001. Image quilting for texture synthesis and transfer. In <i>Proceedings of ACM SIGGRAPH 2001</i> , Computer Graphics Proceedings, Annual Conference Series, 341-346.                 |
| AI | EFROS, A. A., AND LEUNG, T. K. 1999. Texture synthesis by non-parametric sampling. In <i>Proceedings of International Conference on Computer Vision</i> .  |
| AJ | GOMES, J., COSTA, B., DARSA, L., AND VELHO, L. 1998. <i>Warping and Morphing of Graphics Objects</i> . Morgan Kaufmann.  |
| AK | GORLA, G., INTERRANTE, V., AND SAPIRO, G. 2001. Growing fitted textures. <i>SIGGRAPH 2001 Sketches and Applications</i> (August), 191.   |
| AL | GUO, C., ZHU, S. C., AND WU, Y.-N. 2001. Visual learning by integrating descriptive and generative methods. In <i>Proceedings of International Conference on Computer Vision (ICCV)</i> , 370-377.                       |
| AM | HARRISON, P. 2001. A non-hierarchical procedure for synthesis of complex textures. In <i>Proceedings of Winter School of Computer Graphics</i> .   |
| AN | HERTZMANN, A., JACOBS, C. E., OLIVER, N., CURLESS, B., AND SALESIN, D. H. 2001. Image analogies. <i>Proceedings of SIGGRAPH 2001</i> (August), 327-340.  |
| AO |  |
| AP | LEUNG, T. K., AND MALIK, J. 1996. Detecting, localizing and grouping repeated scene elements from an image. In <i>Proceedings of European Conference on Computer Vision</i> .  |

EXAMINER:

DATE CONSIDERED:

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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|---|----------------------------------|--------------------------|
| FORM PTO-1449   | Atty. Docket No.:<br>M61.12-0535 | Appl. No.:<br>10/698,792 |
| LIST OF PATENTS AND PUBLICATIONS FOR<br>APPLICANT'S INFORMATION<br>DISCLOSURE STATEMENT | First Named Inventor:            |                          |
|   | Wesner Sajous                    |                          |
|   | Filing Date                      | Group Art:               |
|   | October 31, 2003                 | 2676                     |

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| AQ               |              |      |      |       |           |                            |

FOREIGN PATENT DOCUMENTS

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|----|--------------|------|---------|-------|-----------|--------------------|
| AR |              |      |         |       |           |                    |

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

|    |   |
|----|---|
| AS | LIANG, L., LIU, C., XU, Y., GUO, B., AND SHUM, H.-Y. 2001. Real-time texture synthesis using patch-based sampling. <i>ACM Transactions on Graphics</i> 20, 3 (July).  |
| AT | LIU, Z., LIU, C., SHUM, H.-Y., AND YU, Y. 2002. Pattern-based texture metamorphosis. In <i>Proceedings of Pacific Graphics</i> , 184-191.   |
| AU | MALIK, J., BELONGIE, S., SHI, J., AND LEUNG, T. 1999. Textons, contours and regions: cue integration in image segmentation. In <i>Proceedings of International Conference on Computer Vision (ICCV)</i> , 918-925.                        |
| AV | MALLAT, S., PAPANICOLAOU, G., AND ZHANG, Z. 1998. Adaptive covariance estimation of locally stationary processes. <i>Annals of Statistics</i> 26, 1, 1-47.  |
| AW |   |
| AX | PRAUN, E., FINKELSTEIN, A., AND HOPPE, H. 2000. Lapped textures. <i>Proceedings of SIGGRAPH 2000</i> (July), 465-470.   |
| AY | SOLER, C., CANI, M.-P., AND ANGELIDIS, A. 2002. Hierarchical pattern mapping. <i>ACM Transactions on Graphics</i> 21, 3 (July), 673-680. (Proceedings of ACM SIGGRAPH 2002).  |
| AZ | SUZUKI, S., AND ABE, K. 1985. Topological structural analysis of digital binary images by border following. <i>Computer Vision, Graphics, and Image Processing</i> 30, 1, 32-46.  |
| BA | TONG, X., ZHANG, J., LIU, L., WANG, X., GUO, B., AND SHUM, H.-Y. 2002. Synthesis of bidirectional texture functions on arbitrary surfaces. <i>ACM Transactions on Graphics</i> 21, 3 (July), 665-672. (Proceedings of ACM SIGGRAPH 2002). |
| BB | TONIETTO, L., AND WALTER, M. 2002. Towards local control for image-based texture synthesis. In <i>Proceedings of SIBGRAPI 2002 - XV Brazilian Symposium on Computer Graphics and Image Processing</i> .                                   |
| BC | TURK, G. 1991. Generating textures for arbitrary surfaces using reaction-diffusion. <i>Computer Graphics (Proceedings of SIGGRAPH 91)</i> 25, 4 (July), 289-298.  |
| BD | TURK, G. 2001. Texture synthesis on surfaces. <i>Proceedings of SIGGRAPH 2001</i> (August), 347-354.  |

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| BE                  |                 |      |      |       |              |                               |

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| BF |              |      |         |       |              |                       |

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

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| BG | WALTER, M., FOURNIER, A., AND MENEVAUX, D. 2001. Integrating shape and pattern in mammalian models. <i>Proceedings of SIGGRAPH 2001</i> (August), 317-326.                         |
| BH | WEI, L.-Y., AND LEVOY, M. 2000. Fast texture synthesis using tree-structured vector quantization. <i>Proceedings of SIGGRAPH 2000</i> (July), 479-488.                             |
| BI | WEI, L.-Y., AND LEVOY, M. 2001. Texture synthesis over arbitrary manifold surfaces. <i>Proceedings of SIGGRAPH 2001</i> (August), 355-360.   |
| BJ | WEI, L.-Y. 2001. <i>Texture Synthesis by Fixed Neighborhood Searching</i> . Ph.D. Dissertation, Stanford University.   |
| BK | WITKIN, A., AND KASS, M. 1991. Reaction-diffusion textures. <i>Computer Graphics (Proceedings of SIGGRAPH 91)</i> 25, 4 (July), 299-308.   |
| BL | YING, L., HERTZMANN, A., BIERMANN, H., AND ZORIN, D. 2001. Texture and shape synthesis on surfaces. <i>Proceedings of 12th Eurographics Workshop on Rendering</i> (June), 301-312. |
| BM | ZALESNY, A., FERRARI, V., CAENEN, G., DER MAUR, D. A., AND GOOL, L. V. 2002. Composite texture descriptions. In <i>Proceedings of ECCV</i> , vol. 3, 341-346.                      |
| BN | ZHU, S., WU, Y., AND MUMFORD, D. 1998. Filters random fields and maximum entropy (frame). <i>International Journal of Computer Vision</i> 27, 2 (March), 107-126.                  |
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